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Editorial

OUR LAST

It hardly seems possible, but nevertheless the time has come for us to close our literary career at N. A. C. Our intimate association during the past four years causes us to experience keen disappointment upon severing relations with the GLEANER.

We have watched it develop during our stay here, and having taken over the reins in this our last year have done our best to further its development and satisfy our readers. We certainly hope we have succeeded in this endeavor.

It has always been the policy of the GLEANER to have the new editor and his staff produce the last issue of the year. (This situation arises only when an editor is defeated in election or graduates, since our limited enrollment does not permit a complete change of staff annually). We feel fortunate in having Joseph Chernicoff and Morton Levinson to carry on as Editor-in-Chief and Managing Editor respectively; we know they'll do a more than adequate job in furthering the development of the GLEANER.

CLASS OF '52

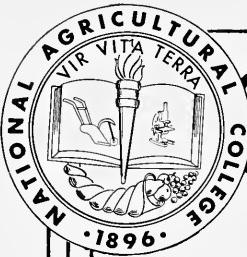
Approximately one-half of the present staff is comprised of members of the class of 1952, your editor included. Although two classes have been previously graduated from N. A. C., this was the first class to enter the National Agricultural College after it had been made a four year sojourn here is virtually over, the first class to graduate as such.

It is hard for us to realize that our four year sojourn here is virtually over, for it seems as though it were only yesterday that we first arrived on the N. A. C. campus. Since that day we have devoted our time and effort to receiving an education and further advancing ourselves.

The college too has made progress since that day, for we have witnessed and experienced numerous developments, including the erection of a new dormitory and a cannery.

The innovation of better, more efficiently planned practicum programs, the acquisition of newer and better equipment, the purchasing of sorely needed livestock, and most important of all, the wider recognition of our college by accredited institutions throughout the

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GLEANER

NATIONAL AGRICULTURAL COLLEGE
Farm School, Bucks County, Pennsylvania

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ON THE COVER: "The Chick." This age old symbol of Easter was expertly photographed by a former GLEANER staff photographer, Harold Haftel '50.

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What About Farm Labor?

By NORMAN SHAYER '52

Farm labor in the United States today comprises a working force of 6,800,000 strong. This figure is larger than the employment of most of our crafts and industries. Yet, comparatively speaking, farm labor enjoys a lower rate of pay, less benefits, and longer working days than all of the others. Why do conditions like these exist? Why is no legislation being carried out to curb these conditions?

To most of us living in this part of the country, gross exploitations of farm labor is not common, although it does happen occasionally. To us, a farm laborer is a fellow who works on a dairy farm, or a guy who helps Mr. Jones with his summer picking. But farm labor also envelops all of the people who work from the large plantations of the south to the sunny orchards of California; it also includes those who work in the large wheat farms of the plains, and the migratory workers of the southwest. All farm laborers are people, who in my mind, no matter how trivial or unskilled their work may seem, help in the production of the country's greatest product, FOOD.

The average rates of pay of these workers are low, again in comparison with the factory worker. This condition continues to exist because there is no legislation available to curb it. In a country as great as ours, with the greatest technological advances in the history of the world, there is no legislation for this select group of workers.

Let us go back to the early 1900's when similar conditions existed in our growing industries. Child labor was not uncommon, and a working day of sunrise to sunset was the common practice. People began to howl, saying that capital was exploiting labor to no end. Congress took the lead and passed legislation to curb these practices.

As our labor force increased, so did legislation in favor of labor. This legislation culminated in the Wagner Act, which put labor on a plane higher than and stronger than management. Then came the much talked about Taft-Hartley Act which brought labor down on an even keel with management. So went the story of industrial labor. What

about farm labor? Where is it today, on which rung of the ladder?

To change the picture for a moment, let us turn to another field of achievement, technology. Industrial labor has made great strides in technology and has shown progress so great that in many respects it has been beyond imagination. Along with this advance in the technology of industry, agriculture has kept pace with industry and gone ahead of it in many cases. New advances in agriculture have paralleled industry technologically, but where are we socially? Back in the 1900's, I'm afraid. For today there are virtually no minimum wages for agriculture, minimum hour work week, provisions for overtime, or retirement benefits.

Not all the blame falls on the employer. A great portion of the blame falls on the Congress, our lawmakers. Each time a progressive representative or senator gets up with the intention of presenting a bill in Congress that would benefit farm labor, a group of lawmakers appropriately termed the "Farm Bloc" opposes it. This powerful bloc is made up of representatives from the strong agricultural states. In addition, numerous lobbies are maintained to keep these congressmen "on the ball."

Most of us wonder why farm labor doesn't have such a "bloc" or lobbies to benefit them and seek their benefits. The answer is a simple one. First of all, farm labor is not organized; it does not have the force behind it that a well-organized union does, and if attempts even to breathe the forbidden word union in certain agricultural circles were made, it would mean the laborers job and, in most cases, his bread and butter. Secondly, farm labor unfortunately does not have the calibre of workers that is conducive to new ideas. An economic law states that workers best fitted for a certain position will be drawn into that position, and all conditions being the same, will be drawn into the one which offers the greatest material gain. This law applies to farm labor and has become exemplified in the last decade.

During the war, wage rates went up, labor became scarce, and men left the farm to work in the better paying in-

industries. Today, a somewhat similar condition prevails, with the more progressive workers being drawn out of agriculture and working in the cities in industry. This statement can be verified by statistics available from the Bureau of Agricultural Economics in Washington. Thus, on the farm we are left with workers who by necessity or the lack of knowledge of any other enterprise remain to earn their living. Again, I will inject my own personal opinion in this case. Ignorance, or unfortunate circumstances never was and never shall be a cause for exploitation in a progressive society.

What is to be done to remedy these existing conditions? The most practical suggestion is to have Congress pass legislation that will put farm labor in a position comparable with industrial labor. This will be the first step on the road out from the yoke that hangs over the head of farm labor today. After this foundation is laid, organization of this labor would logically ensue. Once the Federal Government puts controls on the men doing the exploitation, depriving them of their undue freedom, farm labor will be out of the forest, in a position ready to reap the benefits that have been so long denied.

Many people consider unions very evil. In many cases they are, in some respects. But just as a union may be very evil, the philosophy behind unionization created by such men as Samuel Gompers and Eugene Debs is good. A properly-run farm labor union will initiate collective bargaining, minimum hour and wage rates, retirement and overtime benefits. Then and only then will farm labor enjoy a place on the working horizon that is rightfully theirs.

TWENTIETH CENTURY FACTS

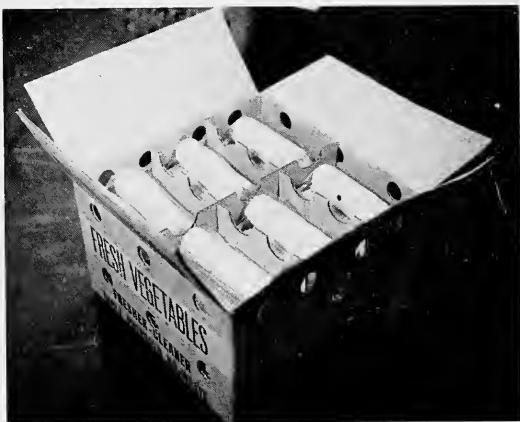
American families and individuals in the lower-income brackets have gained in cash income in recent years several times as much, percentage-wise, as those in upper brackets, according to a Twentieth Century Fund report. From 1941 to 1946, for instance, the lowest fifth had a 68 per cent increase in money income, before taxes, while the top fifth gained 20 per cent.

KEEPING

'EM

FRESH

By MORTON LEVINSON '54



Shipping Carton showing perforations for ventilation to maintain uniform temperatures. The high sugar content of the corn is retained through modern pre-packaging methods.

I'm sure that at one time or another all of us have noticed the remarkable difference between good fresh sweet corn and that which is several days past picking. Lettuce and all other greens are much more palatable and succulent when they have the fresh, crisp taste of a newly picked vegetable.

In pre-war days our greatest supply of vegetables during the off season was available in the can and now in post war days we find the ever increasing popularity of frozen foods among the consuming public. However, the medium of canning and freezing cannot adequately handle commodities such as lettuce and celery, and certainly not utilize the full sugary flavor of a fresh ear of sweet corn.

Considerable research has been done on the merits of a process known as pre-packaging, and perhaps the most significant developments are yet to take place. The factors contributing to the development of prepackaging are: the loss and waste in the marketing of fresh bulk produce, the necessity for handling the excess weight and excess products, the short shelf-life of perishable fresh fruits and vegetables, the high retail costs of handling perishables, and the purpose of making shopping more convenient and of increasing sales.

Two methods of prepackaging have evolved from the investigations, one being hydrocooling and the other being vacuum cooling. It is the purpose of this article to present available information on both processes and to evaluate the comparative methods with their eco-

nomic potential being taken into consideration.

Hydro-Cooling

The greatest source of available information on this method is from the Paul B. Dickman Farm of Ruskin, Florida, where such commodities as corn, spinach, and other greens are pre-packed. Sweet corn is picked and immediately brought into the processing shed from the field. Husking is the first step in the processing; then the corn is moved along a belt to rotary knives which cut the corn into standard lengths of either three or five inches.

The corn is then ready for the hydro-cooler, in this particular case a tunnel vat thirty feet in length, in which the water temperature is maintained as close to the freezing point as possible. (Generally thirty-six degrees.) The entire cooling process of the corn must be done in the vats because the corn, once packed, has too much insulation to allow for any further appreciable cooling. The following chart very aptly illustrates the loss of sucrose in corn kept at varying temperatures.

	Sucrose Loss		
	32°	50°	86°
24 Hours	3.5%	21%	59.4%
48 Hours	10%	40%	65%
72 Hours	18%	50%	70%

Because the prepackaging takes place at the production end of the crop, innumerable advantages are presented to the grower. The corn being husked allows for a greater quantity to be shipped in the same space allotment, and it is estimated that one truck load of prepack-

aged corn is equivalent to three loads of non-processed corn. Each ear is personally inspected: thus only the best quality is shipped and the shipper can utilize part of an ear that has not filled out or that has been partially affected by insect injury. The corn husks can be used for feeding cattle or can be turned back under into the soil as organic matter.

The advantage to the housewife is that of sweet, fresh, quality ears of corn that are all ready for the boiling water. In order to benefit fully from prepacking, however, it should be noted that the product must be kept under refrigeration from the time it is cooled until it reaches the kitchen. The hydro-cooling method allows for the use of an antiseptic compound which retards bacteria and fungi growth.

A poll was taken in Fort Wayne, Indiana, of 398 consumers as to their preference for prepackaged and bulk products in May and June of 1947. One hundred percent favored packaged corn. Other commodities were in lesser percentages, but the preference of the consumer for prepackaged goods was significant some five years ago when the methods were in a comparatively infant stage.

Vacuum Cooling

Vacuum cooling is accomplished by evaporating moisture from the product to be cooled. The reduction in temperature of vegetables obtained by the vacuum apparatus is based upon the cooling effect of vaporization. As the vacuum is drawn, water from the surface

(Continued on page 18)

A REMNANT OF THE PAST

Our Painswick Hall Rich in Historical Value

By MARVIN ADLEMAN '55

Many buildings on our campus have very interesting backgrounds. Several of them are older than the Union and have played an important role in American History. Take, for example, farm house number three, which has, for the past 25 years, been the home of the Fieppers.

The history of farm three dates back to 1729 when three brothers, Walter, Robert, and Joseph Shewell came to the American Colonies from the little village of Painswick, England. Robert and Walter came to Bucks County and bought 500 acres from a Jeremiah Langhorne, who had originally bought it from William Penn. Robert later sold his share of 300 acres for \$1230.00 and went into ship building. Walter Shewell built a log cabin, where the present house is now located, in 1730, and named it "Painswick Hall." It is said that he chose the site he did for his new home here because it was so much like the home he had left in England; a little valley with a stream flowing through it and a hill beyond. (Feather Bed Hill)

Walter married and was the father of two children, Walter Jr. and Robert. He added to the house and built the great stone barn near the stream (for the convenience of having water close at hand). Since each family had to supply its own needs at that time, he added a tannery, cider and grain mills, and other buildings necessary to house the farm activities.

Walter Shewell was classed as a wealthy man for his time and tax records of 1776 show he owned, besides what has been mentioned, a distillery and two Negro slaves. He died during the revolution at the age of 77, after having lived on the farm for nearly fifty years.

Robert was born in 1740 and when 21, he was married to Sarah Swallow by the great Welsh author and divine Rev. Edward Edwards. It was Robert who erected the main part of the present large stone dwelling. He became a very prominent man in the community, not only as a farmer, but as a Justice of the

Peace. It was quite fashionable to be married at the "Hall" by the "Squire." The Shewells were very friendly with the Indians, and often gave them shelter before the great open fireplace in the large kitchen. In return, the Indians brought them many a fine buck. Robert died in 1823 at the age of 84 and is buried in the New Britain cemetery.

Robert's brother, Walter Jr., was born in 1742. He married and had two children, Charles and Betty Shewell. Betty was a very pretty girl and it is not difficult to understand how she, under most romantic circumstances, took her place among the great ladies of England.

Betty Shewell and Benjamin West were deeply in love, and although West was already launched upon his successful career as a court painter in Great Britain, in the aristocratic eyes of Stephen Shewell he was still a "pauper" and entirely unfit to become the husband of his sister, to whom the artist had become engaged before leaving America. When West asked Betty to come to him on a certain ship under the escort of his father, as he himself could not leave England, cruel Stephen locked her in her room and would have none of it.

West's best friend, William White, who later became the first Bishop of Pennsylvania, together with a middle aged printer named Benjamin Franklin, and Francis Hopkinson, who was to be-

come our first American composer, felt that Ben was entitled to his wife.

They arranged for a boat to be at the dock in Chester, in readiness to set sail for England, and in the middle of the moonless night, three mysterious figures crept toward Painswick Hall. An upstairs window silently opened. One of the party threw a rope ladder up to the window. Betty caught it and, with the assistance of a Negro slave (who had been the only one allowed in Betty's room), quietly climbed down. The four stole away to a carriage which had been parked down the road and they sped away to the wharf where Betty joined her future father-in-law. The party safely crossed the ocean and a long and happy life awaited the married pair.

Robert's son, Nathaniel, was born at Painswick Hall in 1770. He was long prominent in public affairs. He was sheriff of Bucks Co. (1800-1802), a member of the Pennsylvania Assembly (1805-1807), and County Commissioner (1817-1819). He donated to Bucks County the ground upon which the present courthouse is located.

Nathaniel lived the whole of his 90 years at Painswick Hall, except for a short time when he was landlord of the Fountain House in Doylestown. General Grant was a great friend of Nathaniel's, and came frequently to Painswick Hall. He married a girl from one of the near-

(Continued on page 18)



Painswick Hall. The main part of this Farm No. 3 house, where the Fieppers have resided for the past twenty-five years, was built before the birth of the Union.

Editors Note: This is the first of a series of articles concerning the historic buildings on the N.A.C. campus.

GALE'S DREAM TRACTOR

By ARTHUR GALE '54

"After weeks of debate, the Council of International Scientists has decided to release to the Public information regarding a situation of utmost importance and concern to all the peoples of the world: the termination of all life on the planet earth within the next ten years." This startling announcement was made regardless of the expected confusion and chaos it would cause.

"Since the beginning of the atomic age, the soils throughout the world have been aging at an alarming rate. Induced mutation, caused by man-made radiation, will in seven years make our soils absolutely useless for plant life, and consequently, animals will not be able to exist much longer."

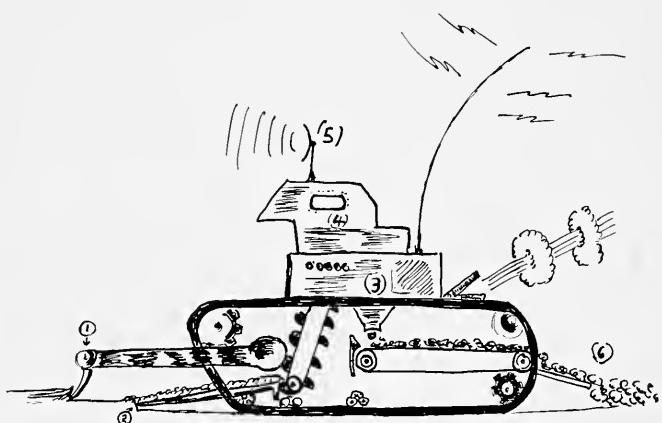
Imagine reading such an article in your morning paper, possibly in the year 1972. I've pondered over the realization of this catastrophe and after years of investigation, research, and hard work, an embryonic idea has materialized into something concrete—"the soil rejuvenator."

The mechanical construction and design of the soil rejuvenator are comparatively simple. On the other hand, the chemical conversion unit of the machine is a complicated masterpiece of intricate mechanisms and calculating devices which no single man can hope to explain.

This machine is constructed in such a way that all operations are performed as the machine is in motion. The operational principle can be compared with the motions of a mole travelling along the surface of the ground, half submerged, using its front paws to break the soil, but instead of forcing the soil to the sides, taking the soil into its mouth, passing it through the alimentary canal and finally out through the anus.

The entire apparatus is mounted upon a track-laying type of tractor. Each track is six feet wide and thirty feet long. Approximately two thousand square feet of the track is in contact with the ground at all times. The necessity for this is evident in considering that, when fully loaded, the machine weighs eighty-two tons.

For a brief description of its more important functional parts let us first consider the radar. Mounted above the



"The Soil Rejuvenator" in action: (1) Soil Breaker; (2) Intake Conveyor Belt; (3) Chemical Conversion Unit; (4) Control Room; (5) Radar; (6) Outlet Conveyor Belt.

control room, the purpose of the radar is to detect large obstacles beneath the surface of the ground. When such an obstruction comes within range, the forward motion of the tractor is automatically halted.

The control room houses all controlling devices. Most important of these is the chemical adjusting panel which enables the operator to set dials for the particular type of soil desired.

Beneath the control room is the most important unit, the "chemical conversion chamber." This chamber can be changed from one tractor to another, thus maintaining constant use of the unit. There is a high correlation between what this unit does for the pedologist and what the mammoth calculator in Washington, D. C. does for the mathematician. The soil is belt-fed into this chamber after being plowed by the soil breaker in the front of the tractor. Rocks larger than two feet in diameter are forced to the side and bypassed. All smaller materials are disintegrated into their element components upon entry and are segregated.

After all materials are reduced to elementary form they are rearranged to form the desired soil. (All phases of soil genesis are completed in this operation). The energy necessary for this transformation of atomic structure can only be supplied by the introduction of contraterrene material.

Contraterrene material is matter built backwards. Even though the nucleus of ordinary atoms has a positive charge, its nucleus would have a negative charge. Where ordinary electrons have a negative charge, contraterrene electrons would have a positive charge. The instant contraterrene matter comes in contact with ordinary matter a terrific explosion occurs. The energy given off by these explosions supplies the necessary power for the operation of the chemical conversion unit.

When the soil emerges from the rear of the soil rejuvenator, it is of perfect structure, balance, mineral and organic constituents and is lain down in proper horizons—a truly perfect virgin soil.

For the first time in history, we can now look forward to the day when we can make the soils productive enough to feed the world an ample diet. Like all inventions, it also has a disadvantage. The enormous amount of subsidies our government will have to pay farmers for plowed under crops will bankrupt the taxpayer.

Additional information will be furnished by the author upon request. Address all letters to the author in care of N.A.C. Restraining Ward, Section Eight, Cell No. 116. If a personal interview is desired, the visiting hours are between four and six on Tuesdays and Thursdays. Bring your own yo-yos.



Dairy Cow Showing on "A" Day, 1951. The Exhibitors Shown Are Bob Holland and John Holzheimer.

"A" DAY – MAY 3rd

By ARTHUR COLLINGS '53

Time, that indefinable medium upon whose back the world traverses, has carried us well through another term. Soon, once again, our campus will be transformed into the wondrous pageant that has become the Zenith of the Year. This spring on Saturday, May 3rd, the fourth annual "A" Day shall unfold under the watchful eyes of our committee chairman, Bob Holland.

"A" Day is a demonstration of the workings of the college. Out of approximately eight months spent yearly in the pursuit of education, one Saturday each May is set aside as an open-house to entertain our families, friends, neighbors, and others interested in agriculture. We sincerely extend a welcome to all.

The functioning of this project is governed by the "A" Day committee, consisting of students on a central board or administration, and representatives from all the campus organizations.

The program, this year, is featured by the inauguration of the National Agricultural College Scholastic Judging Contest, which will pit Vo-Ag students from various high schools in competitive dairy and poultry judging. In preceding years, the Poultry Club has run a judging contest along these lines. This idea has been broadened, under the guidance of the committee, to include dairy cattle as well. The Vo-Ag boys participating,

compete as members of their high school teams. Trophies will be presented to both the highest scoring individual and team in both dairy and poultry, with ribbons awarded in each separate class.

Accomplishments of the students are manifested in the exhibits of the various clubs which represent the major courses and activities of the college. Ribbons and prizes have been given for achievement and have been improved upon for the coming "A" Day.

The Dairy Society will fit and show cows. Each aspirant will be rated on the condition of the animal and on his own showmanship. The "show ring" has been a big success in the past, and the inclusion of dairy animals in the Vo-Ag contest should make it even better.

The gym will again be turned into a panorama of color, when the doors are opened, unveiling the project of the Horticultural Society. Floral Arrangements, various gardens, landscape plots and exhibits developed by the Ornamental Horticultural, Horticultural and Agronomy enthusiasts will be highlights. Competition is keen, and the Agronomy section will have to be above par to retain its grand-championship.

Last year an intercollegiate egg-grading contest, culminating on "A" Day, was sponsored by our Poultry Science Club and colleges from all over the country sent in samples to be judged.

Maryland carried off top honors. The high school-judging contest has been held annually by the club, though now it is incorporated in the joint affair. Quakertown High School has dominated this event. Interesting displays portraying the various phases of Poultry Husbandry will also be set up, such as embryology, pathology, and egg packing exhibits.

Classes of beef cattle, horses and hogs shown by members, and exhibits of goats and sheep comprise the offerings of the Animal Husbandry Club. It is an excellent opportunity to view the college's outstanding horses being shown to advantage. Don't miss seeing our goat triplets, they are the pride and joy of the House of Capra.

The other campus organizations have also improved their programs. A field demonstration behind Ullman Hall has been planned by the Farm Machinery Club. The Photography Club is running a snap shot contest, in which any student with access to a camera is eligible. The art class is no exception to this year's expansive mood. The members assure us that a better display than ever before will adorn the walls of the student lounge.

Special events have always provided that extra something needed in any successful field day. Generally, the very least that's offered is a laugh. The Co-Ed milking, log sawing, and beard growing contests will be repeats from before, with added stimulus from *Today Magazine*, a Sunday feature of the Philadelphia *Inquirer*, which will run an article on this year's "A" Day. Four girls from the Ambler School of Horticulture and four senior Dairy Majors will comprise the personnel of the Co-Ed milking contest.

All of this plus the excellent refreshments offered by the Varsity Club and additional surprises, such as the parading of our famous six-horse hitch by Mr. Hopkins, promise to make "A" Day, 1952, one you'll long remember.

—△— NATURE FACTS

Of the greens, nearly all of the plants in the mustard family (cultivated varieties include radishes, cabbage and turnips) may be eaten raw or cooked. Young shoots of such plants as milkweed, pokeberry (but only when young since a poison develops with age), and curly dock taste like asparagus when cooked in one change of water.

N.A.C. To Have Experiment Station

By GEORGE BLEIBTREU '52

Yes Sir, you read it right. Your alma mater is about to blossom forth with a brand new department devoted exclusively to experimental research. Senior students were informed of this news last month and by this time we are able to fill in a few of the details of the new project for the rest of the student body.

By next September a laboratory will have been installed in the building down the road from the poultry house, used until recently as a residence by a former member of the faculty. Several members of the present faculty will take part in the projects which the new laboratory will take up. Perhaps the most exciting news of all however, is the fact that a new man is joining the staff as head of all experimental work to be conducted at the college.

Dr. Albert Schatz is a young man, who hails originally from Norwich, Connecticut where he was born in 1920. You North Jersey boosters will be glad to learn that the credit for his elementary and secondary school education goes to the public schools of Passaic. Dr. Schatz graduated with a B.S. degree from Rutgers University in 1942 after majoring in the Research Curriculum. Then he worked with the New Jersey State Agricultural Experiment Station in conjunction with his graduate work in the Department of Microbiology at Rutgers.

Toward the end of 1942, Uncle Sam stepped into Dr. Schatz's life for a few months during which he was a medical laboratory technician in the Medical Detachment of the Army Air Corps. After his discharge he went back to Rutgers and two years later in 1945 was awarded the degree of Doctor of Philosophy with a major in Microbiology and a minor in Biochemistry.

Dr. Schatz had written his thesis on "Streptomycin—An Antibiotic substance produced by *Actinomyces-griseus*." This brought him a job as research assistant in his old department at Rutgers and a year later a job with the Biochemistry Division of Laboratories and Research of the New York State Department of Health. This in turn led to the position of Assistant in the Department of Antibiotics, Division of Experimental Chemotherapy of the fam-

ous Sloan Kettering Institute for Cancer Research in New York City, from which post Dr. Schatz went on in 1948 to become Visiting Investigator at the Hopkins Marine Station, Stanford University, out in Pacific Grove, California.

In 1949 Dr. Schatz entered the field of education as Assistant Professor of Biology at Brooklyn College where he taught both undergraduate and graduate courses in such subjects as Microbiology, Physiology and research in these fields. His latest association has been as Research Associate with the Haskins Laboratories in New York City.

By this time I am sure you are more than satisfied that Dr. Schatz is adequately qualified for his newest post here at N.A.C. However, his greatest achievement was the co-discovery of Streptomycin and let us also notice in passing that he is a member of Phi Beta Kappa, Society of Sigma Xi, Alpha Zeta, (the

National Honorary Agricultural Fraternity), the Society of American Bacteriologists, the Society of American Protozoologists, the New York Academy of Sciences and the Torrey Botanical Club. As if this weren't enough, he is listed in "American Men of Science," "Who's Who in America" and Who's Who in American Education (1951-2 Edition), and has many research papers to his credit published in association with Dr. Waksman of Rutgers and many other notable scientists.

Now for the big question. What exactly does Dr. Schatz hope to work on, here at N.A.C.? We can only tell you at this point that it will be research into the nature of soil microbiology.

This project will enable several lucky N.A.C. students as well as professors to work alongside one of the great scientists of our day. N.A.C. steps forward again.

N.A.C. GETS BEEF

Sure there are plenty of gripes here at the college, as there are anywhere else, but that's not the kind of beef we're talking about. The long-awaited day when the college could start its own worth-while beef cattle herd has finally arrived. There have been beef cattle here before as most of the upper classmen realize, but they were always rather nondescript western steers of uncertain ancestry and in common with all steers, their only inheritance was to go the way of all flesh—in their case, the college kitchen.

Those students who have had occasion to make the long trip over to Farm No. 3 in recent weeks have probably noticed four very respectable looking young Aberdeen Angus cattle. The Animal Husbandry men among them probably noticed that there were two steers and two heifers, the latter showing very good conformation and in excellent flesh. The younger of the heifers is fifteen months old and will be bred soon, while the other is some twenty-three months old and safe in calf.

All four pedigreed animals are being carefully cared for by the Juniors and Freshmen on Animal Husbandry detail and are receiving much the same fattening grain ration they received on the farm of Mr. Robert Montgomery of Buckingham, from whom they were purchased for instructional purposes.

Much credit must be given to the College Administration and the Animal Husbandry Department for realizing that beef cattle, especially those of the Angus breed, are the coming thing in this area. The Angus steers will prove themselves on the dinner table. Let us hope the heifers we have and perhaps more to come, will prove to be the nucleus of a great and successful college herd of these fine animals.

TWENTIETH CENTURY FACTS

A Twentieth Century Fund study says that dairy cattle have been expanding their numbers at a firmly established long term rate—about two million per decade.

Basketball Season

By MIKE AIELLO '53 and DON PETERS '53



in Review

The 1952 "Aggie" Basketeers will always be remembered for their team spirit, hustle, and will to win. Congratulations definitely are in order for this squad which, despite numerous injuries, including the loss of their stellar guard, Cal Kidder, for the greater part of the season, constantly played a hard, determined brand of ball. In their first four games (covered in the March issue), the Aggies defeated Goldey-Beacon, Kings, and Temple Pharmacy and lost to Trenton State Teachers College.

Glassboro vs. N.A.C.

Glassboro State Teachers' College defeated our "Aggie" quintet on the Loucheheim Auditorium court on Saturday afternoon, January 26th. The final score was 67-53. This loss was suffered at the hands of a team that had been defeated twice by teams whom our "Aggies" had beaten.

The Jersey teachers concentrated on the Aggie ace, Jim Lipari, and as a result the high-scoring forward collected but 11 points during the game. High scorers for Glassboro were Ted Lynch, with 26, and Ernie Lochenmyer, with 12.

Big "Moke" Auslander scored 17 points with his left-handed push shot.

The game was a sea-saw battle all through the first quarter, with the lead changing hands seven times. The quarter ended 12-10 in favor of the Teachers. In the second quarter the fans were treated to a fine exhibition of shooting by Glassboro forward Ted Lynch. Lynch, a comparatively small man on the court, drove in for lay-ups, and shot from the outside with deadly accuracy. He personally accounted for 14 of his team's 24 points in this quarter.

Caplan, Vansant, and Tannin played excellent ball in this quarter, but Lynch's shooting was too deadly. The teams left the floor with Glassboro 12 points in the lead. This 12 point spread later

proved too much an obstacle for the "Aggies" to overcome. Throughout the game the "Aggies" shooting from the floor was poor, but the foul line proved a nemesis.

Glassboro converted 9 out of 14 fouls while the "Aggies" converted 15 out of 34.

Newark State Teachers vs. N.A.C.

The "Aggies" achieved their fourth win in seven starts by defeating a strong Newark team 62-58.

The victory was accomplished in spite of the fact that New Jersey's leading scorer, Wade Likins, of Newark, registered 31 points himself.

Likins scored 28 of his points in the first half, but close pressing in the second half held him to a mere three points.

It was a second half surge that overcame the first half deficit again.

Lead by the shooting of Auslander, with 19 points, and Lipari with 16, the "Aggies" were victorious.

Vansant, Caplan, and Tannin aided the cause with 8, 7, 7 points respectively. "Zek" Bernstein was a ball hawk on

defense and did a good job of rattling the opposition.

Paterson State vs. N.A.C.

A reported weak Paterson team came down from the hills of North Jersey to disprove that report.

Showing an extremely fast break mixed with tricky set plays, the Bengals took the lead at the first quarter 25-12. The "Aggies" never could overcome a point spread. Paterson was led by Moretti, who scored 17 field goals and 9 fouls for a total of 40 points. Chuck Van Order came next with 27 points, followed by Vinnie Matthew with 15 points.

Auslander with 20 points, Lipari with 18 and Vansant with 9, tried valiantly to keep up with the Bengals, but to no avail. The final score was 93-62.

Bloomfield vs. N.A.C.

The visitors early in the game showed a slow, deliberate type of basketball. Using Don Cruicoli as the playmaker, they weaved and passed until a shot would be set up. This pattern paid off as they left the floor at halftime leading 35-25.



The 1952 "Aggie" Basketeers

Front row: (left to right) "Zek" Bernstein, Irwin Recht, Don Peters, Ed Fleming, and Fred Haentze. Back row: (left to right) Ivar Holmberg, Mgr., Jim Lipari, Norm Auslander, Ed Vansant, Hal Tannin, Stan Caplan, and Coach Charlie Keys.

The "Aggies" seemed sluggish and couldn't seem to find themselves, except for short periods of time now and then.

Bloomfield's high scorers were Lawson with 16, Jackson with 13, and Cruicoli with 12. The "Aggies" were led by Lipari, who was high man with 18, Auslander with 10, Caplan with 8, and Vansant, who hit for 7.

From the floor, the visitors only scored one more field goal than N.A.C., but N.A.C. was woefully weak at the foul line, converting only 7, while Bloomfield scored 13.

Goldey-Beacon vs. N.A.C.

Although Jim Lipari cut the cords for double figures again with a total of 22 points, the "Aggies" were defeated on the Delaware court by a 51-48 score.

The victory for Goldey evened the series, since the "Aggies" defeated Goldey in their opening game 61-35.

From the field, Goldey outshot the "Aggies" 21 to 19, but at the foul line, the winners had 9 out of 19, while N.A.C. gathered 10 out of 18.

"Buck" Phillips was high for the Goldey boys with 20 points. As the fourth quarter started, the "Aggies" led 40-36, and until twenty-two seconds were left in the game, that lead remained. Then Bill Craig stole a pass and drove the length of the court to score and put Goldey one point ahead. With nine seconds remaining, Goldey took a rebound and scored the last and game-clinching basket.

Panzer vs. N.A.C.

Johnny Marra, whose basketball accomplishments in the State of New Jersey include a total score of over 1,000 points, personally registered as a student at Panzer College, were demonstrated at the "Aggies" court, when Panzer beat the "Aggies" 76-65. Marra scored 29 points.

The East Orange Collegians, one of the fastest basketball teams in the entire East, with a record of 12-3 (at that time), against some of the crack college teams, didn't find the "Aggies" a push-over.

Panzer, a physical education college with basketball its major sport, was held to its lowest second half score in three years (28 points).

Johnny Gurhrie, a transfer from Seton Hall, another Eastern powerhouse, scored 18 points, followed closely by Bill Sponelli with 14. Again Jim Lipari led the "Aggie" scores with 22 points,



Jim Lipari going up for "two" against Susquehanna.

followed by Hal Tannin with 14, and Stan Caplan with 12.

Panzer lowered the boom in the first half with a 48-26 lead. But in the second half the tables were turned.

The "Aggies" went into a full court press which gave Panzer the jitters. With Lipari scoring and Vansant hitting on several beautiful hook shots, the "Aggies" pulled up. Again heavy first half scoring by the opposition spelled the downfall of the "Aggies."

Temple Pharmacy vs. N.A.C.

Trailing by 45-42 after three periods of play, Temple Pharmacy came back strong in the final stanza to pull the game out by a 57-54 score. Temple used a sliding zone defense with two or three men constantly covering Lipari. With this defense they held Lipari to 9 points, a comparatively low total for this consistent scorer. But Hal Tannin came into his own right as a scorer. Driving under the basket for pretty backhand lay ups, he racked up 21 points to be the game's high scorer.

Jim Goodhart, Temple's big center, held to only one point in the first two periods, came back to score 11 more in the second half to spark Temple to the victory.

Montclair State vs. N.A.C.

One of the five strong quintets from Northern New Jersey was the "Aggies'" opponents on February 22. Montclair

came to N.A.C. boasting an impressive 15-4 standing, having defeated many of the top New Jersey teams, and leading the conference of northern New Jersey Colleges.

Again, as in the Panzer game, an opposing player was one of the top scorers in the country.

Eddie Weber, former Newark High School ace, passed the 2000 point scoring mark accomplished over a three-year period with Montclair.

For the "Aggies," the same consistent scorers lead: Lipari with 17, Auslander with 16, and Vansant with 8 points.

Montclair used many substitutes in the second half. And when there was no doubt as to the outcome of the game, coach Keys used his reserves. The final score was 66-48.

Susquehanna vs. N.A.C.

In a game packed with thrills and chills, coach Charlie Key's "Aggies" upset the visiting Susquehanna five 63-59.

This victory in basketball was sweet in the face of an earlier defeat by Susquehanna on the gridiron.

Losing by 23-8 at the first quarter, the "Aggies" pulled up, leaving the floor at halftime on the short end of a 35-23 count.

Outstanding in the first half was the shooting of the visitors Charlie Zlock, (continued on page 16)



What's New With The Alumni

By JOE CHERNICOFF '53

There are quite a few new developments here at the College. For instance, Coke machines—yes sir, one in Ullman Hall, and the other in Elson Hall. And for all of you goat enthusiasts, one of our does recently gave birth to triplets, which is something of a rarity. With regard to the chow, appetizers are being served and now hold on to your hats, we had fried shrimp for supper tonight. One of our famous cooks, Willie, who had been with us for quite awhile, is no longer among those present. Former basketballers—attention—"Aggies" now have sharp warm-up jackets.

In the last issue of the GLEANER, I mentioned that BRUCE SMITH and DAVE BROOKS were working as 2nd classmen with LiCO₃ for the American Potash & Chemical Co.—well they have graduated (?) to first classmen (tenders) on the Bromine towers. Though by this date Bruce should again be working for his former employer, Mr. Dimmick, of Hanford, California. The work consists of queen and bee raising, pollination, and honey production.

Received a letter from NATE MOSER '32, concerning in part elections of officers of the Philadelphia Chapter of the Alumni Association—SAM SILVER '50, AL BLEFELD '51, and VIC PESSANO '51 were elected 1st, 2nd, and 3rd Vice-Presidents, respectively. SAM SILVER, SAUL GOLDSTEIN '50 and JIM COYLE '51 were elected representatives to the National Executive Committee of the Alumni Association. Good luck and congratulations to you all.

I hear that HERB REBACK is doing very well with his retail florist, business. If you need flowers, etc., he's located in Vineland, N. J. ROGER GABLE '50 is working in a green house in Ridgefield, Conn., picking up valuable experience, and enjoying his work very much. "Frenchy" is also a proud member of the Ridgefield Horticultural Society, and is doing his utmost to liven up their meetings, and if we know Roger, that shouldn't be too difficult.

HERBERT AKERS '51, who now resides at Ringoes, N. J., is working as a sales

extension representative for Tioga Mills, Waverly, N. J., in the Company's northern New Jersey territory. He was the company's outstanding eastern representative for the month of January. Keep up the good work, Herb.

FRANK GERACI '51 and TONY GRIFO '51 were here at N.A.C. a short while ago, and informed us of a change in address. The address is Pfc. Frank A. Geraci, AF-134044331—3345th Medical Group—Chanute AFB, Ill.

Also received some mail from PAUL

STEIN. Been wondering how come so many "tillers of the soil" wind up in the Air Force. Says that plenty of the boys are stationed with him up at Sampson. MORT WEINGARTEN, wrote Paul, is soon going on a long trip—to Texas. In fact he may even be there at the time of this writing. Understand that Mort can't wait to taste some tequila. All of you wishing to write to Paul, please note change in address—Pfc. Paul Stein—3650 Medical Gp. Disp. No. 1—Sampson AFB, N. Y.

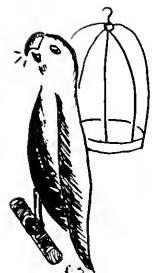
THE PARROT'S CAGE

By P. G. R. '52

The Parrot's Cage has been completely devoted to members of the student body thus far this year, but I feel at this point that I must bring in some news about at least one of our faculty members. It seems as though during the last snow storm, one Marty Brooks was trying to make a big bang with Mr. Schmieder, and it was just that, fortunately no one was hurt. The Parrot interviewed Mr. Schmieder while inspecting the scene of the crime; it seems there was an omen, which Prof. Schmieder claims made the accident inevitable. Latest news has it that Marty is changing his major.

All Sports Night was certainly a booming success. It seems as though Chico (Vejar) Shayer was all that was expected of this 140 lbs. of solid dynamite (?). It seems as though Harry Greenbaum cut quite a cute caper in the ring also. I guess George Demitroff's beer and yogurt diet has paid off. Did you get a look at the style of Mr. Blackman; it's been said he's a bonus player for the Warriors.

Dave Weitzner announced as soon as his tomato plants come into production he'll open his N.A.C. Pizzaria. I'm very sorry to say that Spotted Poland-China



Aiello has been put on a strict diet.

Hey Bert Litoff, what was your car doing out in the field in the last snow storm? His Royal Majesty, the Earl of Barber, has been doing quite a business of decorating churches. Questions, Hank?

Germantown girls must be suffering from the rabies epidemic. It seems that Sam McCleary was bitten by one. Did anyone get a load of Ed Borst's side burns.

Ott Collings has asked the Parrot to give a very special plug to the "A" Day beard growing contest. It seems to be growing into quite a contest, so join the crowd. A special division for novices has also been formed for Davis, Heitsmith, Ilsemann, and Van Winkle.

It's been said that Altieri and Gale still have openings for a few skilled workmen to harvest their tropical fruits.

The basketball season being over, I've noticed we really had one true gentleman; Ed Vansant definitely uses a handkerchief. I've noticed a new post mis-

tress in the Administration Building, Lionel Berger. He's learning to be an Agricultural mailman.

Hal Tannin has been setting quite a new style with his long sleeved T-shirts. Ivar Holmberg is quite musically inclined, especially in his version of "Sweet Lorraine."

During spring vacation everyone headed south. Bob Rosenberg gave Marini pompano fishing lessons. Van Winkle, Sowierski, Heitsmith and Holland went also.

I'm sorry, but the only thing new the freshmen have done is to put some coloring around my eye. The next edition I'm turning over the cage to "Babbling Brooks." I hope I haven't offended anyone too much in this column—it's been fun all the way.

Well, as my roommate would say, the parrot's flown the coop, and seems to be flying south to his happy hunting grounds, Kennett Square. Hy, Lynn.

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HIJACKED HUMOR

Compiled by Pete Krusch '53

During an important court trial a pompous Kentucky Colonel was being questioned by the district attorney. Unable to shake the testimony of the old gent, the prosecutor first tried ridicule, then sarcasm. "They call you Colonel;" he sneered. In what regiment, and what war, pray tell me were you ever a Colonel?"

"Well suh," drowled the witness. "it's like this, the Colonel in front of my name is just like the "Honorable" in front of yours. It's purely complimentary—and doesn't mean a thing.

—F. G. Kernan

Pardon me, Mrs. Astor, but that would never have happened if you hadn't stepped between me and the spittoon.

Oh, John Let's not park here.

" " " " "
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Then there was the family who named their dog Carpenter because he did odd jobs around the house.

She was a plumber's daughter; every time a sailor whistled at her, her cheeks flushed.

—Arkansas Agriculturist

The young cadet attending a community dance tried to make conversation with his attractive companion, a symphony in sepia.

Smiling, he said, "You look like Helen Brown."

She nodded her head. "Yes, I know," was her coy reply, "I don't look so good in yellow either."

—Georgia Agriculturist

The student gets the magazine (!)
The school gets the fame (???)
The printer gets the money (\$\$\$)
The editor gets the blame (*&#*)

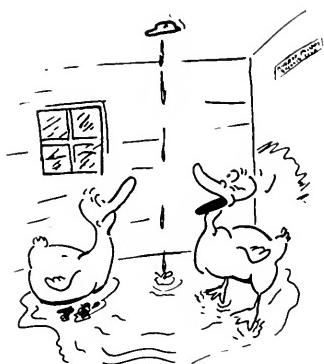
Is your face dirty or is it my imagination?
My face is clean I don't know about
your imagination.

I'm always surprised
That the ghastly sight
Which my mirror reflects
In the cold morning light
Soon after breakfast
By some special grace
Materializes
Into a face

He only drinks to calm himself
His steadiness to improve
Last night he got so steady
He couldn't even move.

He kissed her on her rosy lips
How could he then but linger?
But oh—when he caressed her hair
A cootie bit his finger

A Scotsman was leaving on a business trip and called back as he was leaving, "Goodbye all, and dinna forget to take little Donald's glasses off when he isn't looking at anything."



I sure hope Mr. Jones doesn't get a crazy notion to fix that leak.

Definition

Steer—Bull that has lost his social standing with the herd.

One day in sociology class during a discussion about infants, one Junior asked his teacher: "Teacher, do infants have as much fun in infancy as adults do in adultery?"

Class was dismissed.

—Purdue Agriculturist

A little chap was sitting on the curb with a cigarette in one hand and the neck of a flask protruding from his hip pocket.

An old lady came up to him and said, "Sonny, why aren't you in school?" "Hell, Lady, I'm only three," he replied.

"Doctor, my son has cholera, and the worst of it is he admits he caught it from kissing the maid."

"Well, well, young people do thoughtless things, don't they?"

"Yeah, but Doctor, I've been kissing the maid myself"

"Too bad."

"An what's' more I've been kissing my wife."

"What? Oh my gosh! Now we'll all have it."

Two little rabbits got lost in the woods and had a hare raising experience.

—Iowa Agriculturist

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BASKETBALL SEASON

(Continued from page 11)

Ned Condon, and Bucky McNamara who were high with 18, 13 and 12 respectively.

The "Aggies" started the second half a determined team, with Bernstein and Caplan stealing passes, Vansant and Auslander recovering rebounds tremendously, phenomenal shooting by Lipari, and the smooth slick ball handling of Tannin, the Selingsgrove five was soon on the run.

Lipati's display of shooting no doubt was one of the greatest ever seen on the Louchheim gym floor. He scored 31 points. Other high scorers for N.A.C. were Auslander with 11, Vansant with 8, and Tannin with 6.

Phila. Textile vs. N.A.C.

Again the "Aggies" traveled to Philadelphia but to no avail. In fact, looking over the season's record, N.A.C. did not win a single game away from its own court.

Your reporter thought this game got out of hand. The officiating was poor. Repeatedly "Aggie" player's baskets were ruled out and the players were playing an extremely rough game.

For Textile, three men hit twin figures with Broadhurst high man with 20 points. The "Aggies" had a hard time getting started so Lipari and Auslander shared scoring honors with 14 points each.

The "Aggie" foul shooting was poor, only 9 out of 22 were made.

Textile, like many other teams, used a sliding zone defense to hold the "Aggie" high scorers down. Score: 66-46.

Trenton vs. N.A.C.

The "Aggies" traveled to Trenton for this contest, and it proved a disastrous trip. Although never out fought, the "Aggies" were overwhelmed by superior floor play and shooting.

Trenton had four men in the double figures with Lou Timato hitting for 18 points and Ed Wetzell dropping in 17. Trenton substituted liberally in the third and fourth quarters.

Hitting in the double figures for the "Aggies" were Lipati with 16 and Hal Tannin with 14.

Coach Keys used many substitutes in this game and men like Peters, Fleming, Haentze, and Recht showed quite some ability.

Kings vs. N.A.C.

Having defeated Kings earlier in the season in an overtime contest the "Aggies" expected another hard battle.

Choosing a deliberate style of offensive, Kings took advantage of the "Aggie" zone defense, and constantly poured set shots through the hoop. Pete Ruger was high for Kings with 10 field goals and three fouls, for 23 points.

Joe Sink and Fred Bowser followed with 17 and 15 respectively. The brunt of the scoring for the "Aggies" fell upon the capable shoulders of Lipari and Auslander.

Lipati scored repeatedly with his now-famous jump shot for 20 points, while "Moke" hit with that lefthanded shot for 16 points.

Kings outscored the "Aggies" in the second quarter 23-16, and those markers were the telling points. The final score was 65-54.

Intra-murals

For the second straight year the "Fouling Five" have gone undefeated and have captured the intra-mural basketball flag. The "Fouling Five" have 13 wins in a row. Their last defeat was in their freshman year, when they lost to the Suicide Squad.

The high scorers for the six game season are:

	Points
Mulvey (Snuffy's Ghosts)	83
Mumma (Embalmers)	71
Collings (Clitoris Cats)	68
Davis (Lucky Pierres)	53
Rubin (Lucky Pierres)	51
Giusti (Fouling Five)	45

The final standings:

Teams	Win	Loss
Fouling Five	6	0
Embalmers	4	2
Lespedeza Leafhoppers	4	2
Clitoris Cats	3	3
Lucky Pierres	2	4
Snuffy's Ghost	2	4
Gleaners	0	6

"ALL SPORTS NIGHT"

On March 6th an "All Sports Night" was held, the first such event in N.A.C. History. Faculty, Alumni, and student participation in a program ranging from boxing to basketball, provided a highly enjoyable evening.

The first event was a boxing bout featuring "Tiger" Norm Shayer and "Baby face" Joe Kuhta. The contestants gave their all for three bruising rounds. Each man was staggered, but no knock-

downs occurred, and the match was called a draw.

Next came another boxing match, or a boxing farce to be more exact. Four blindfolded men, each wearing a head-guard with the exception of rugged Harry Greenbaum who was the sole bare-headed participant, were pitted against each other. It was every man for himself in this unique and entertaining contest. The contestants were Mayer, Jawetz, Greenbaum and Tessmer. It was a real slugfest, with Greenbaum fighting thin air for a good deal of the time, and Mayer, the largest participant, emerging victorious.

Next came a wrestling match between Bert Litoff and Hank Kalenthaler. Referee Dean Meyer gave a short speech on the rules and regulations of wrestling. Then for three grueling minutes the two opponents twisted, turned, threw, fell and grunted. It was a fine exhibition of wrestling, with Kalenthaler having the edge due to his years of experience.

Another wrestling match between Dick Sowierski and Huntzinger followed. These two strong young men put on an excellent exhibition of wrestling for the spectators. Here again experience was the important factor, and enabled Sowierski to have the edge.

A feature event was the weight lifting exhibition featuring George (Mr. Philadelphia) Demitroff and none other than our versatile coach, Charlie Keys. The two men lifted on equal terms until they reached the 185 lbs. weight. After a grueling try, Coach Keys conceded the match to Demitroff. George went on to press the amazing weight of 205 lbs.

The floor was cleared, and the now famous Faculty Alumni team took the court. What form, what shooting, what a team??

The starting five was Keys, Giusti, Segal, Fickes, and Brown. After five minutes of running, dribbling and shooting, these rugged athletes received a well earned rest as a fresh squad took the court.

The shooting of Fickes, Larder and Segal was outstanding. Fickes had a two-handed rifle shot that almost shook the backboard loose but consistently split the cords. Alumni members Larder, Fulcoly, Barbour, Schomp, Raught, and Schaeffer, were familiar faces and played well.

(Continued on page 18)

DRAWING

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KEEPING 'EM FRESH

(continued from page 5)

of the produce is evaporated and cooled until its vapor pressure is reduced approximately to that corresponding to the vacuum.

Vacuum packing allows for a lower reduction of temperature and in the case of an item like sweet corn, whose freezing temperature is below twenty-nine degrees F., the temperature may be lowered some four degrees and in lesser time. Items such as the leafy vegetables, allow for very rapid cooling under both methods because of the great amount of leaf surface. The time required to cool bulky commodities like celery and fruit by vacuum preparation, however, probably would be too long to be economically feasible.

A great deal of work has been done with the vacuum cooling of lettuce; the following points have been noticed upon inspection. No damage was found due to freezing, wilting, and, if anything, the heads had a better appearance, for the leaves were crispier than before being cooled. When the packer uses this method, the need for icing the individual crate is eliminated. Most of the carloads of vacuum cooled lettuce have gone east without top icing and apparently suffered no ill effects.

The cost of vacuum cooling of lettuce as compared with ice packaging is \$1.65 per crate, while dry packs cost about \$1.05 per crate and vacuum cooling \$0.25 per crate, indeed significant to the producer and shipper.

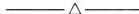
This method allows for the packaging of the commodity before the cooling takes place and, in this way, loss in temperature in handling is cut down. My references on vacuum cooling are from government reports numbered 243, 244, and 245, based on research at the Vacuum Cooling Company of Salinas, California.

Packaging under both methods demands the perforation of the cellophane wrapper so that air exchange will take place and no foul odors will accumulate within the package. Prepackaging allows for an attractive product for the retailer and at the same time the housewife can readily handle the commodity with a minimum amount of preparation.

At present, approximately one quarter of all produce brought to the market is never consumed, due to breakdown through wilting, bacterial action, and poor handling conditions. With the

expansion of prepackaging, the consuming public will demand more produce and the producer will have his high marketing costs cut down considerably.

Prepackaging is relatively new, but it is a phase of food processing that should be investigated by all individuals interested in progressive agriculture.



BASKETBALL SEASON

(Continued from page 16)

But the highlight of the game came when "Clint" Blackmon entered the game and sunk two beautiful baskets. He received a tremendous ovation when he retired to the sideline.

The varsity played their usual fine game with "Zeck" Bernstein hitting for 12 points and Jim Lipari breaking a court record with 20 field goals and 5 fouls for 45 points.

A feature of the faculty was the appearance of "Doc" Turner who administered first aid to his sweat-laden cohorts. And coach Dan Miller who piloted the team and helped carry the weary men out on a stretcher with the aid of "Doc" Turner.



REMANENT OF THE PAST

(Continued from page 6)

by boroughs. Nathaniel died in 1860 leaving seven daughters who never married, and a son Joseph to run the farm and carry on the traditions of the noble old house that was so well known that letters came there addressed simply "Painswick Hall."

After being in the Shewell family for 159 years, the old homestead was sold to a Mr. Martin for \$15,000.00. Then in April 1907, it was sold to the National Farm School for \$14,000.00 conveying 150 acres which had increased in value from the \$4.00 an acre that Walter She-

well had paid for it 177 years before, to \$100.00 an acre in 1907. What is its value now?

It is interesting to note that this land has come down to the National Agricultural College with only four changes in ownership. William Penn sold it to Jeremiah Langhorne, after whom the town of Langhorne has been named, in 1697. Langhorne sold it to the Shewells in 1729, among whom it remained for 156 years till it was sold to the Martins in 1886 who, in turn, sold it to the National Farm School in 1907.



SOME INTERESTING STATISTICS

A hundred million acres of farmland have already been severely damaged by erosion—equal to 12½ times all the cropland in Pennsylvania.

One hundred million additional acres of formerly cultivated farmlands, have been completely ruined for further immediate and practical cultivation—the equivalent of 7½ times all the cropland in Ohio.

Each year, according to an estimate of the Soil Conservation Service, 500,000 more acres are ruined for immediate and practical cultivation. That's equal to losing 5,000 one-hundred-acre farms every year—lost because of our slowness in adopting conservation practices.

—Our Land—Our Spirit



EDITORIAL — CLASS OF '52

(Continued from page 2)

United States have all been accomplished during the past four years.

With a mingled feeling of regret and anticipation of the future, we await the arrival of May 18th, when we will bid a fond farewell to N. A. C. and strive to make a mark for ourselves in the agricultural world.

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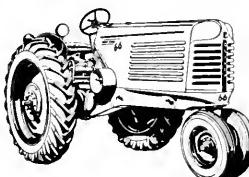
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